

Customer No.: 31561
Docket No.: 13529-US-PA
Application No.: 10/711,544

AMENDMENT

To the Claims

Please amend the claims as follows:

Claim 1 (currently amended) An active matrix organic electro-luminescent display panel, comprising:

a pixel structure layer, disposed on a substrate, wherein the pixel structure layer comprises an active device matrix and an anode pattern layer;

an organic light-emitting layer, disposed at least over the anode pattern layer, wherein the organic light-emitting layer comprises a first organic light-emitting pattern, a second organic light-emitting pattern and a third organic light-emitting pattern; [[and]]

a cathode layer, disposed on the organic light-emitting layer, wherein the cathode layer comprises a first cathode pattern disposed on the first organic light-emitting pattern, a second cathode pattern disposed on the second organic light-emitting pattern and a third cathode pattern disposed on the third organic light-emitting pattern, and the first, the second and the third cathode patterns are disconnected ~~to~~ from each other;

wherein the first cathode pattern is electrically connected to a first voltage, the second cathode pattern is electrically connected to a second voltage, the third cathode pattern is electrically connected to a third voltage, and the first voltage, the second voltage and the third voltage are different from each other[.]; and

a first, second and third cathode lines electrically connected to the first, the second

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and the third cathode patterns respectively, wherein the first, second and third cathode lines are sandwiched between the pixel structure layer and the organic light-emitting layer.

Claims 2-3 (canceled)

Claim 4 (previously presented) The display panel of claim 1, further comprising a partition rib structure disposed over the active device matrix and the anode pattern layer so that the first, the second, and the third organic light-emitting patterns are isolated from each other.

Claim 5 (previously presented) The display panel of claim 4, wherein the partition rib structure further isolates the first, the second and the third cathode patterns from each other.

Claim 6 (previously presented) The display panel of claim 4, wherein the top surface of the partition rib structure has a width greater than a width of the bottom surface of the partition rib structure.

Claim 7 (previously presented) The display panel of claim 1, wherein the first, the second and the third light-emitting patterns are fabricated using red light-emitting material, green light-emitting material and blue light-emitting material respectively.

Claim 8 (original) The display panel of claim 1, wherein the active device matrix comprises a thin film transistor array.

Claims 9-20 (canceled)

Claim 21 (previously presented) The display panel of claim 3, wherein the first

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cathode pattern is electrically connected to the first voltage through the first cathode line, the second cathode pattern is electrically connected to the second voltage through the second cathode line, and the third cathode pattern is electrically connected to the third voltage through the third cathode line.

Claim 22 (previously presented) The display panel of claim 3, wherein the first, second and third cathode patterns extend along a first direction, and the first, second and third cathode lines extend along a second direction different from the first direction.

Claim 23 (new) The display panel of claim 4, wherein the partition rib structure covers the first, second and third cathode lines, and a first, second and third contact openings are disposed in the partition rib, such that the first, second and third cathode lines are electrically connected to the first, the second and the third cathode patterns respectively through the first, second and third contact openings.

Claim 24. (new) The display panel of claim 4, wherein the partition rib structure partially covers the first, second and third cathode lines, and a first, second and third contact openings are disposed in the first, second and third organic light-emitting patterns, such that the first, the second and the third cathode patterns are electrically connected to the first, second and third cathode lines which are exposed by the rib structure through the first, second and third contact openings respectively.